

(ii) MOLECULAR TYPE: RNA
(ix) FEATURE:
(D) OTHER INFORMATION:

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
TAATACGACT CACTATAGGG AGGACGATGC GGNNNNNNNN NNNNNNNNNN 50
NNNNNNNNNN NNNNNNNNNN NNCAGACGAC TCGCCCGA 88

(2) INFORMATION FOR SEQ ID NO: 3:

(i) SEQUENCE CHARACTERIZATION:
(A) LENGTH: 16
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
(ii) MOLECULAR TYPE: RNA
(ix) FEATURE:
(D) OTHER INFORMATION:

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
TCGGGCGAGT CGTCTG 16

(2) INFORMATION FOR SEQ ID NO: 4:

(i) SEQUENCE CHARACTERIZATION:
(A) LENGTH: 32
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
(ii) MOLECULAR TYPE: RNA
(ix) FEATURE:
(D) OTHER INFORMATION:

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
TAATACGACT CACTATAGGG AGGACGATGC GG 32

(2) INFORMATION FOR SEQ ID NO: 5:

(i) SEQUENCE CHARACTERIZATION:
(A) LENGTH: 28
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
(ii) MOLECULAR TYPE: RNA
(ix) FEATURE:
(D) OTHER INFORMATION: Nucleotides at positions 1, 6-7, 10, 14,
16-18, 20, 22, and 24-26 are 2'-fluoro (2'-F) modified
(ix) FEATURE:
(D) OTHER INFORMATION: Nucleotides at positions 2-3, 8-9, 11-
13, 15, 19, 21, 23, and 27 are 2'-OMethyl (2'-OMe) modified
(ix) FEATURE:
(D) OTHER INFORMATION: T in position 28 is a 3'-3'-linked
deoxythymidine

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
CGGAAUCAGU GAAUGCUUUAU ACAUCCGT 28

(2) INFORMATION FOR SEQ ID NO: 6:

(i) SEQUENCE CHARACTERIZATION:
(A) LENGTH: 28
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
(ii) MOLECULAR TYPE: RNA

(ix) FEATURE:
(D) OTHER INFORMATION: Nucleotides at positions 1, 6-7, 10, 14, 16-18, 20, 22, and 24-26 are 2'-fluoro (2'-F) modified
(ix) FEATURE:
(D) OTHER INFORMATION: Nucleotides at positions 2-3, 8-9, 11-13, 15, 19, 21, 23, and 27 are 2'-OMethyl (2'-OMe) modified
(ix) FEATURE:
(D) OTHER INFORMATION: T in position 28 is a 3'-3'-linked deoxythymidine

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
CGGAAUCAGU GAAUGC^UUAU ACAUCCGT 28

(2) INFORMATION FOR SEQ ID NO: 7:
(i) SEQUENCE CHARACTERIZATION:
(A) LENGTH: 28
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
(ii) MOLECULAR TYPE: RNA
(ix) FEATURE:
(D) OTHER INFORMATION: Nucleotides at positions 1, 6-7, 10, 14, 16-18, 20, 22, and 24-26 are 2'-fluoro (2'-F) modified
(ix) FEATURE:
(D) OTHER INFORMATION: Nucleotides at positions 2-3, 8-9, 11-13, 15, 19, 21, 23, and 27 are 2'-OMethyl (2'-OMe) modified
(ix) FEATURE:
(D) OTHER INFORMATION: T in position 28 is a 3'-3'-linked deoxythymidine

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
CGGAAUCAGU GAAUGC^UUAU ACAUCCGT 28

(2) INFORMATION FOR SEQ ID NO: 8:
(i) SEQUENCE CHARACTERIZATION:
(A) LENGTH: 28
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
(ii) MOLECULAR TYPE: RNA
(ix) FEATURE:
(D) OTHER INFORMATION: Nucleotides at positions 1, 6-7, 10, 14, 16-18, 20, 22, and 24-26 are 2'-fluoro (2'-F) modified
(ix) FEATURE:
(D) OTHER INFORMATION: Nucleotides at positions 2-3, 8-9, 11-13, 15, 19, 21, 23, and 27 are 2'-OMethyl (2'-OMe) modified
(ix) FEATURE:
(D) OTHER INFORMATION: T in position 28 is a 3'-3'-linked deoxythymidine

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
CGGAAUCAGU GAAUGC^UUAU ACAUCCGT 28

(2) INFORMATION FOR SEQ ID NO: 9:
(i) SEQUENCE CHARACTERIZATION:
(A) LENGTH: 28
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
(ii) MOLECULAR TYPE: RNA
(ix) FEATURE:

(D) OTHER INFORMATION: Nucleotides at positions 1, 6-7, 10, 14, 16-18, 20, 22, and 24-26 are 2'-fluoro (2'-F) modified

(ix) FEATURE:

(D) OTHER INFORMATION: Nucleotides at positions 2-3, 8-9, 11-13, 15, 19, 21, 23, and 27 are 2'-OMethyl (2'-OMe) modified

(ix) FEATURE:

(D) OTHER INFORMATION: T in position 28 is a 3'-3'-linked deoxythymidine

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:

CGGAAUCAGU GAAUGC UUAU ACAUCCGT

28

(2) INFORMATION FOR SEQ ID NO: 10:

(i) SEQUENCE CHARACTERIZATION:

(A) LENGTH: 61

(B) TYPE: nucleic acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: RNA

(ix) FEATURE:

(D) OTHER INFORMATION: All pyrimidines are 2'-fluoro (2'-F) modified

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:

GGGAGGACGA UGC GGGNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNCAGAC
GACUCGCCCG A

50

61

(2) INFORMATION FOR SEQ ID NO: 11:

(i) SEQUENCE CHARACTERIZATION:

(A) LENGTH: 71

(B) TYPE: nucleic acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: RNA

(ix) FEATURE:

(D) OTHER INFORMATION: All pyrimidines are 2'-fluoro (2'-F) modified

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:

GGGAGGACGA UGC GGGNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN
NNNNNCAGAC GACUCGCCCG A

50

71

(2) INFORMATION FOR SEQ ID NO: 12:

(i) SEQUENCE CHARACTERIZATION:

(A) LENGTH: 61

(B) TYPE: nucleic acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: RNA

(ix) FEATURE:

(D) OTHER INFORMATION: All pyrimidines are 2'-fluoro (2'-F) modified

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:

GGGAGGACGA UGC GGAAGAA UUGGUCAUCG UCGUCUCCGC CUCCCCAGAC
GACUCGCCCG A

50

61

(2) INFORMATION FOR SEQ ID NO: 13:

(i) SEQUENCE CHARACTERIZATION:

(A) LENGTH: 61

(B) TYPE: nucleic acid

(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
(ii) MOLECULAR TYPE: RNA
(ix) FEATURE:
(D) OTHER INFORMATION: All pyrimidines are 2'-fluoro (2'-F) modified

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13:
GGGAGGACGA UGCAGGAAUAC GGAAGAAUUG GAUACAUAAUG CUCGUCAGAC 50
GACUCGCCCG A 61

(2) INFORMATION FOR SEQ ID NO: 14:
(i) SEQUENCE CHARACTERIZATION:
(A) LENGTH: 61
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
(ii) MOLECULAR TYPE: RNA
(ix) FEATURE:
(D) OTHER INFORMATION: All pyrimidines are 2'-fluoro (2'-F) modified

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 14:
GGGAGGACGA UGCAGGAAUAA CAGAAGAAUU GGUGAACAAAC GUGGUCAGAC 50
GACUCGCCCG A 61

(2) INFORMATION FOR SEQ ID NO: 15:
(i) SEQUENCE CHARACTERIZATION:
(A) LENGTH: 61
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
(ii) MOLECULAR TYPE: RNA
(ix) FEATURE:
(D) OTHER INFORMATION: All pyrimidines are 2'-fluoro (2'-F) modified

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 15:
GGGAGGACGA UGCAGGAAUAGAU CGCGUAGGAA GUAUUGGAAG GCCCUCAGAC 50
GACUCGCCCG A 61

(2) INFORMATION FOR SEQ ID NO: 16:
(i) SEQUENCE CHARACTERIZATION:
(A) LENGTH: 61
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
(ii) MOLECULAR TYPE: RNA
(ix) FEATURE:
(D) OTHER INFORMATION: All pyrimidines are 2'-fluoro (2'-F) modified

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 16:
GGGAGGACGA UGCAGGACAUU UAGAAGAAUU GAAUUCCCG CUGGUCAGAC 50
GACUCGCCCG A 61

(2) INFORMATION FOR SEQ ID NO: 17:
(i) SEQUENCE CHARACTERIZATION:
(A) LENGTH: 61
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single

(D) TOPOLOGY: linear
(ii) MOLECULAR TYPE: RNA
(ix) FEATURE:
(D) OTHER INFORMATION: All pyrimidines are 2'-fluoro (2'-F)
modified

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 17:
GGGAGGACGA UGGGUAGGA AGAAUUGGAA GCGCAUUUUC CUCGYCAGAC 50
GACUCGCCCG A 61

(2) INFORMATION FOR SEQ ID NO: 18:

(i) SEQUENCE CHARACTERIZATION:
(A) LENGTH: 61
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
(ii) MOLECULAR TYPE: RNA
(ix) FEATURE:
(D) OTHER INFORMATION: All pyrimidines are 2'-fluoro (2'-F)

modified

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 18:
GGGAGGACGA UGGGCCGGGA UUUUGGAAGA AUUGGAUAUU GGCCUCAGAC 50
GACUCGCCCG A 61

(2) INFORMATION FOR SEQ ID NO: 19:

(i) SEQUENCE CHARACTERIZATION:
(A) LENGTH: 61
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
(ii) MOLECULAR TYPE: RNA
(ix) FEATURE:
(D) OTHER INFORMATION: All pyrimidines are 2'-fluoro (2'-F)

modified

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 19:
GGGAGGACGA UGGGCCGGYA CUUUGGAAGA AUUGAAUUUC CCGCUCAGAC 50
GACUCGCCCG A 61

(2) INFORMATION FOR SEQ ID NO: 20:

(i) SEQUENCE CHARACTERIZATION:
(A) LENGTH: 61
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
(ii) MOLECULAR TYPE: RNA
(ix) FEATURE:
(D) OTHER INFORMATION: All pyrimidines are 2'-fluoro (2'-F)

modified

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 20:
GGGAGGACGA UGGGAAGAA UUGGAUAAU CGUUCACCCC CACCUAGAC 50
GACUCGCCCG A 61

(2) INFORMATION FOR SEQ ID NO: 21:

(i) SEQUENCE CHARACTERIZATION:
(A) LENGTH: 61
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: RNA
(ix) FEATURE:
(D) OTHER INFORMATION: All pyrimidines are 2'-fluoro (2'-F)
modified

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 21:
GGGAGGACGA UCGGGAAACG GAAGAAUUGG AUACGCAAGC ACGUUCAGAC 50
GACUCGCCCG A 61

(2) INFORMATION FOR SEQ ID NO: 22:
(i) SEQUENCE CHARACTERIZATION:
(A) LENGTH: 61
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
(ii) MOLECULAR TYPE: RNA
(ix) FEATURE:
(D) OTHER INFORMATION: All pyrimidines are 2'-fluoro (2'-F)
modified

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 22:
GGGAGGACGA UCGGUAGG AAGUAUUGUAA GCGCCUCGUU UUCGCCAGAC 50
GACUCGCCCG A 61

(2) INFORMATION FOR SEQ ID NO: 23:
(i) SEQUENCE CHARACTERIZATION:
(A) LENGTH: 61
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
(ii) MOLECULAR TYPE: RNA
(ix) FEATURE:
(D) OTHER INFORMATION: All pyrimidines are 2'-fluoro (2'-F)
modified

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 23:
GGGAGGACGA UCGGAGUUU UGGAAGAAU GGAUGUUCCG AUCGUCAGAC 50
GACUCGCCCG A 61

(2) INFORMATION FOR SEQ ID NO: 24:
(i) SEQUENCE CHARACTERIZATION:
(A) LENGTH: 61
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
(ii) MOLECULAR TYPE: RNA
(ix) FEATURE:
(D) OTHER INFORMATION: All pyrimidines are 2'-fluoro (2'-F)
modified

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 24:
GGGAGGACGA UCGGAAGAA ACGGAAGAAU UGGAGACACG CUCGUCAGAC 50
GACUCGCCCG A 61

(2) INFORMATION FOR SEQ ID NO: 25:
(i) SEQUENCE CHARACTERIZATION:
(A) LENGTH: 71
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
(ii) MOLECULAR TYPE: RNA

(ix) FEATURE:
(D) OTHER INFORMATION: All pyrimidines are 2'-fluoro (2'-F) modified

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 25:
GGGAGGACGA UGGGGAAAGA AUUGAUGUUG UAUUGUCCUU CCGAUUUCU 50
GCCGUCAGAC GACUCGCCCG A 71

(2) INFORMATION FOR SEQ ID NO: 26:
(i) SEQUENCE CHARACTERIZATION:
(A) LENGTH: 70
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
(ii) MOLECULAR TYPE: RNA
(ix) FEATURE:
(D) OTHER INFORMATION: All pyrimidines are 2'-fluoro (2'-F) modified

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 26:
GGGAGGACGA UGGGGACAGA AGAAUUGGGC UUCGCAUUAU CCUCUGUCAG 50
CCGCCAGACG ACUCGCCCGA 70

(2) INFORMATION FOR SEQ ID NO: 27:
(i) SEQUENCE CHARACTERIZATION:
(A) LENGTH: 71
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
(ii) MOLECULAR TYPE: RNA
(ix) FEATURE:
(D) OTHER INFORMATION: All pyrimidines are 2'-fluoro (2'-F) modified

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 27:
GGGAGGACGA UGGGGUGAGA GAAACGGAAG AAUUGGAUAC GAUACUCAUC 50
GCGCUCAGAC GACUCGCCCG A 71

(2) INFORMATION FOR SEQ ID NO: 28:
(i) SEQUENCE CHARACTERIZATION:
(A) LENGTH: 61
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
(ii) MOLECULAR TYPE: RNA
(ix) FEATURE:
(D) OTHER INFORMATION: All pyrimidines are 2'-fluoro (2'-F) modified

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 28:
GGGAGGACGA UGGGGCUUAA GUUUUGGAAG AAUUGAAUAC UGGGUCAGAC 50
GACUCGCCCG A 61

(2) INFORMATION FOR SEQ ID NO: 29:
(i) SEQUENCE CHARACTERIZATION:
(A) LENGTH: 60
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
(ii) MOLECULAR TYPE: RNA
(ix) FEATURE:

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(D) OTHER INFORMATION: All pyrimidines are 2'-fluoro (2'-F) modified

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 29:
GGGAGGACGA UGGCGUAACC AGUGGAAGAA UGGCUGCUA UCCUCAGACG 50
ACUCGCCCGA 60

(2) INFORMATION FOR SEQ ID NO: 30:

(i) SEQUENCE CHARACTERIZATION:

- (A) LENGTH: 60
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: RNA

(ix) FEATURE:

(D) OTHER INFORMATION: All pyrimidines are 2'-fluoro (2'-F) modified

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 30:
GGGAGGACGA UGGCGAACGG AAGAAUUGGA UACGUAGCAU GCGUCAGACG 50
ACUCGCCCGA 60

(2) INFORMATION FOR SEQ ID NO: 31:

(i) SEQUENCE CHARACTERIZATION:

- (A) LENGTH: 61
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: RNA

(ix) FEATURE:

(D) OTHER INFORMATION: All pyrimidines are 2'-fluoro (2'-F) modified

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 31:
GGGAGGACGA UGGGGCAGGA UUUUGGAAGA AUUGGAUAUU GGCGCAGAC 50
GACUCGCCCG A 61

(2) INFORMATION FOR SEQ ID NO: 32:

(i) SEQUENCE CHARACTERIZATION:

- (A) LENGTH: 61
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: RNA

(ix) FEATURE:

(D) OTHER INFORMATION: All pyrimidines are 2'-fluoro (2'-F) modified

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 32:
GGGAGGACGA UGGCGAACG GAAGAAUUGG AUACCGCUAC GUGUUCAGAC 50
GACUCGCCCG A 61

(2) INFORMATION FOR SEQ ID NO: 33

(i) SEQUENCE CHARACTERIZATION:

- (A) LENGTH: 61
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: RNA

(ix) FEATURE:

(D) OTHER INFORMATION: All pyrimidines are 2'-fluoro (2'-F)

modified

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 33
GGGAGGACGA UGCAGAAGAA UUGAGCAUUC CUUCUCCUUG UGCCUCAGAC 50
GACUCGCCCG A 61

(2) INFORMATION FOR SEQ ID NO: 34:

(i) SEQUENCE CHARACTERIZATION:
(A) LENGTH: 61
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
(iii) MOLECULAR TYPE: RNA
(ix) FEATURE:
(D) OTHER INFORMATION: All pyrimidines are 2'-fluoro (2'-F)

modified

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 34:
GGGAGGACGA UGCAGACUA ACGGAAGAAU UGGAAACAAAC CGCGUCAGAC 50
GACUCGCCCG A 61

(2) INFORMATION FOR SEQ ID NO: 35:

(i) SEQUENCE CHARACTERIZATION:
(A) LENGTH: 61
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
(iii) MOLECULAR TYPE: RNA
(ix) FEATURE:
(D) OTHER INFORMATION: All pyrimidines are 2'-fluoro (2'-F)

modified

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 35
GGGAGGACGA UGCAGACAA CGAUGGAAUU UUUGGACGCU CGCCUCAGAC 50
GACUCGCCCG A 61

(2) INFORMATION FOR SEQ ID NO: 36:

(i) SEQUENCE CHARACTERIZATION:
(A) LENGTH: 61
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
(iii) MOLECULAR TYPE: RNA
(ix) FEATURE:
(D) OTHER INFORMATION: All pyrimidines are 2'-fluoro (2'-F)

modified

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 36:
GGGAGGACGA UGCAGACAA CCGAUUGACG UUAUGGGACG CUGGUCAGAC 50
GACUCGCCCG A 61

(2) INFORMATION FOR SEQ ID NO: 37:

(i) SEQUENCE CHARACTERIZATION:
(A) LENGTH: 61
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
(iii) MOLECULAR TYPE: RNA
(ix) FEATURE:
(D) OTHER INFORMATION: All pyrimidines are 2'-fluoro (2'-F)

modified

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(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 37:
GGGAGGACGA UGGGUUACCC GAUUGAACUU CUUGGACGCU ACCGUCAGAC 50
GACUCGCCCG A 61

(2) INFORMATION FOR SEQ ID NO: 38:

(i) SEQUENCE CHARACTERIZATION:

- (A) LENGTH: 61
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: RNA

(ix) FEATURE:

(D) OTHER INFORMATION: All pyrimidines are 2'-fluoro (2'-F)
modified

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 38:
GGGAGGACGA UGGGUUACCC GAAUUGAAGU UAUUGGACGC UACCUCAGAC 50
GACUCGCCCG A 61

(2) INFORMATION FOR SEQ ID NO: 39:

(i) SEQUENCE CHARACTERIZATION:

- (A) LENGTH: 71
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: RNA

(ix) FEATURE:

(D) OTHER INFORMATION: All pyrimidines are 2'-fluoro (2'-F)
modified

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 39:
GGGAGGACGA UGGGGAGCA GAACCGAUAG AAGAAUUGGA CGCUCAGCUC 50
CGGGUCAGAC GACUCGCCCG A 71

(2) INFORMATION FOR SEQ ID NO: 40:

(i) SEQUENCE CHARACTERIZATION:

- (A) LENGTH: 71
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: RNA

(ix) FEATURE:

(D) OTHER INFORMATION: All pyrimidines are 2'-fluoro (2'-F)
modified

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 40:
GGGAGGACGA UGGGGUACC AGAAUAGAGCA ACCGAAUGAA GAACUGGACG 50
CUGCUCAGAC GACUCGCCCG A 71

(2) INFORMATION FOR SEQ ID NO: 41:

(i) SEQUENCE CHARACTERIZATION:

- (A) LENGTH: 71
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: RNA

(ix) FEATURE:

(D) OTHER INFORMATION: All pyrimidines are 2'-fluoro (2'-F)
modified

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 41:
GGGAGGACGA UGGGGUGAAC CGAUGGAAUC GCUUGGACGC UCAUCGCACG 50
UUGCUCAGAC GACUCGCCCG A 71

(2) INFORMATION FOR SEQ ID NO: 42:

(i) SEQUENCE CHARACTERIZATION:

- (A) LENGTH: 61
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: RNA

(ix) FEATURE:

(D) OTHER INFORMATION: All pyrimidines are 2'-fluoro (2'-F) modified

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 42:
GGGAGGACGA UGC GGCUAAC CGGUUGAAUA UUUGGUCGCU GACCUCAGAC 50
GACUCGCCCG A 61

(2) INFORMATION FOR SEQ ID NO: 43:

(i) SEQUENCE CHARACTERIZATION:

- (A) LENGTH: 61
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: RNA

(ix) FEATURE:

(D) OTHER INFORMATION: All pyrimidines are 2'-fluoro (2'-F) modified

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 43:
GGGAGGACGA UGC GGAAACUA GUGAAUGCUU AUACGACCGU GUUGUCAGAC 50
GACUCGCCCG A 61

(2) INFORMATION FOR SEQ ID NO: 44:

(i) SEQUENCE CHARACTERIZATION:

- (A) LENGTH: 60
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: RNA

(ix) FEATURE:

(D) OTHER INFORMATION: All pyrimidines are 2'-fluoro (2'-F) modified

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 44:
GGGAGGACGA UGC GGAAUCAG UGAAUGCUU UAGACCGCCU CCGUCAGACG 50
ACUCGCCCGA 60

(2) INFORMATION FOR SEQ ID NO: 45:

(i) SEQUENCE CHARACTERIZATION:

- (A) LENGTH: 61
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: RNA

(ix) FEATURE:

(D) OTHER INFORMATION: All pyrimidines are 2'-fluoro (2'-F) modified

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 45:

GGGAGGACGA UGC GGAGAAU CAGUGAAUGC UUAUAAAUCU CGY GUCAGAC 50
GACUCGCCCG A 61

(2) INFORMATION FOR SEQ ID NO: 46:

(i) SEQUENCE CHARACTERIZATION:

- (A) LENGTH: 62
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: RNA

(ix) FEATURE:

(D) OTHER INFORMATION: All pyrimidines are 2'-fluoro (2'-F)

modified

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 46:

GGGAGGACGA UGC GGAAUCA GUGAAUGC UUAGCUCCCG CGUCCUCAGA 50
CGACUCGCCG A 62

(2) INFORMATION FOR SEQ ID NO: 47:

(i) SEQUENCE CHARACTERIZATION:

- (A) LENGTH: 60
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: RNA

(ix) FEATURE:

(D) OTHER INFORMATION: All pyrimidines are 2'-fluoro (2'-F)

modified

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 47:

GGGAGGACGA UGC GGAAACCA GUGAAUGC UUAGACUGC UCGUCAGACG 50
ACUCGCCCG A 60

(2) INFORMATION FOR SEQ ID NO: 48:

(i) SEQUENCE CHARACTERIZATION:

- (A) LENGTH: 61
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: RNA

(ix) FEATURE:

(D) OTHER INFORMATION: All pyrimidines are 2'-fluoro (2'-F)

modified

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 48:

GGGAGGACGA UGC GGAAUCAG UGAAUGC UUAGACCGUAU UCGUCAGAC 50
GACUCGCCCG A 61

(2) INFORMATION FOR SEQ ID NO: 49:

(i) SEQUENCE CHARACTERIZATION:

- (A) LENGTH: 61
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: RNA

(ix) FEATURE:

(D) OTHER INFORMATION: All pyrimidines are 2'-fluoro (2'-F)

modified

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 49:

GGGAGGACGA UGC GGAGAAU CAGUGAAUGC UUAUAAAUCU CGUGUCAGAC 50

82

(2) INFORMATION FOR SEQ ID NO: 50:

(i) SEQUENCE CHARACTERIZATION:

- (A) LENGTH: 61
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: RNA

(ix) FEATURE:

(D) OTHER INFORMATION: All pyrimidines are 2'-fluoro (2'-F)
modified

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 50:

GGGAGGACGA UCGGGAAUCA GUGAAUGCUU AUAGCUCCGC GUGGUCAGAC 50
GACUCGCCCG A 61

(2) INFORMATION FOR SEQ ID NO: 51:

(i) SEQUENCE CHARACTERIZATION:

- (A) LENGTH: 61
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: RNA

(ix) FEATURE:

(D) OTHER INFORMATION: All pyrimidines are 2'-fluoro (2'-F)
modified

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 51:

GGGAGGACGA UCGGGACCAAG UGAAUGCAGA UAAGCCCAUC GACCUCAGAC 50
GACUCGCCCG A 61

(2) INFORMATION FOR SEQ ID NO: 52:

(i) SEQUENCE CHARACTERIZATION:

- (A) LENGTH: 60
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: RNA

(ix) FEATURE:

(D) OTHER INFORMATION: All pyrimidines are 2'-fluoro (2'-F)
modified

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 52:

GGGAGGACGA UCGGGCAGGG UGAAUGCCAA UGUACUUUUC GCGUCAGACG 50
ACUCGCCCGA 60

(2) INFORMATION FOR SEQ ID NO: 53:

(i) SEQUENCE CHARACTERIZATION:

- (A) LENGTH: 61
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: RNA

(ix) FEATURE:

(D) OTHER INFORMATION: All pyrimidines are 2'-fluoro (2'-F)
modified

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 53:

GGGAGGACGA UCGGGAAUCA GUGAAUGCUU AUACAUCCGC UCGGUCAGAC 50
GACUCGCCCG A 61

(2) INFORMATION FOR SEQ ID NO: 54:

(i) SEQUENCE CHARACTERIZATION:

- (A) LENGTH: 61
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: RNA

(ix) FEATURE:

- (D) OTHER INFORMATION: All pyrimidines are 2'-fluoro (2'-F)

modified

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 54:

GGGAGGACGA	UGCGGGACUA	GGUGAAUGCC	AAUAAUUCUUC	UCCGUCAGAC	50
GACUCGCCCG	A				61

(2) INFORMATION FOR SEQ ID NO: 55:

(i) SEQUENCE CHARACTERIZATION:

- (A) LENGTH: 30
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: RNA

(ix) FEATURE:

- (D) OTHER INFORMATION: All pyrimidines are 2'-fluoro (2'-F)

modified

(ix) FEATURE:

(D) OTHER INFORMATION: N at position 30 is a 3'-3'-linked deoxythymidine

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 55:

GACGAUGCGG	UAGGAAGAAU	UGGAAGCGCN	30
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(2) INFORMATION FOR SEQ ID NO: 56:

(i) SEQUENCE CHARACTERIZATION:

- (A) LENGTH: 28
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: RNA

(ix) FEATURE:

- (D) OTHER INFORMATION: All pyrimidines are 2'-fluoro (2'-F)

modified

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 56:

GACGAUGCGG	UAGGAAGAAU	UGGAAGCG	28
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(2) INFORMATION FOR SEQ ID NO: 57:

(i) SEQUENCE CHARACTERIZATION:

- (A) LENGTH: 28
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: RNA

(ix) FEATURE:

- (D) OTHER INFORMATION: All pyrimidines are 2'-fluoro (2'-F)

modified

(ix) FEATURE:

- (D) OTHER INFORMATION: C in position 28 is 2'-OH C

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 57:

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ACGAUGCGGU AGGAAGAAUU GGAAGCGC

28

(2) INFORMATION FOR SEQ ID NO: 58:

(i) SEQUENCE CHARACTERIZATION:

- (A) LENGTH: 23
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: RNA

(ix) FEATURE:

(D) OTHER INFORMATION: All pyrimidines are 2'-fluoro (2'-F)

modified

(ix) FEATURE:

(D) OTHER INFORMATION: C in position 23 is 2'-OH C

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 58:

GCGGUAGGAA GAAUUGGAAG CGC

23

(2) INFORMATION FOR SEQ ID NO: 59:

(i) SEQUENCE CHARACTERIZATION:

- (A) LENGTH: 22
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: RNA

(ix) FEATURE:

(D) OTHER INFORMATION: All pyrimidines are 2'-fluoro (2'-F)

modified

(ix) FEATURE:

(D) OTHER INFORMATION: C in position 22 is 2'-OH C

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 59:

CGGUAGGAAAG AAUUGGAAGC GC

22

(2) INFORMATION FOR SEQ ID NO: 60:

(i) SEQUENCE CHARACTERIZATION:

- (A) LENGTH: 22
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: RNA

(ix) FEATURE:

(D) OTHER INFORMATION: All pyrimidines are 2'-fluoro (2'-F)

modified

(ix) FEATURE:

(D) OTHER INFORMATION: N at position 22 is a 3'-3'-linked deoxythymidine

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 60:

GGUAGGAAGA AUUGGAAGCG CN

22

(2) INFORMATION FOR SEQ ID NO: 61:

(i) SEQUENCE CHARACTERIZATION:

- (A) LENGTH: 21
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: RNA

(ix) FEATURE:

(D) OTHER INFORMATION: All pyrimidines are 2'-fluoro (2'-F)

modified

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(ix) FEATURE:
(D) OTHER INFORMATION: N at position 21 is a 3'-3'-linked deoxythymidine

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 61:
GUAGGAAGAA UUGGAAGCGCN

21

(2) INFORMATION FOR SEQ ID NO: 62:
(i) SEQUENCE CHARACTERIZATION:
(A) LENGTH: 32
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
(ii) MOLECULAR TYPE: RNA
(ix) FEATURE:
(D) OTHER INFORMATION: All pyrimidines are 2'-fluoro (2'-F) modified
(ix) FEATURE:
(D) OTHER INFORMATION: N at position 32 is a 3'-3'-linked deoxythymidine

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 62:
GGCGAACCGA UGGAAUUUUU GGACGCUCGC CN

32

(2) INFORMATION FOR SEQ ID NO: 63:
(i) SEQUENCE CHARACTERIZATION:
(A) LENGTH: 29
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
(ii) MOLECULAR TYPE: RNA
(ix) FEATURE:
(D) OTHER INFORMATION: All pyrimidines are 2'-fluoro (2'-F) modified
(ix) FEATURE:
(D) OTHER INFORMATION: C in position 29 is 2'-OH C

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 63:
GCGAACCGAU GGAAUUUUUUG GACGCUCGC

29

(2) INFORMATION FOR SEQ ID NO: 64:
(i) SEQUENCE CHARACTERIZATION:
(A) LENGTH: 27
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
(iii) MOLECULAR TYPE: RNA
(ix) FEATURE:
(D) OTHER INFORMATION: All pyrimidines are 2'-fluoro (2'-F) modified

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 64:
CGAACCGAUG GAAUUUUUUGG ACGCUCG

27

(2) INFORMATION FOR SEQ ID NO: 65:
(i) SEQUENCE CHARACTERIZATION:
(A) LENGTH: 26
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
(iii) MOLECULAR TYPE: RNA

86

(ix) FEATURE:
(D) OTHER INFORMATION: All pyrimidines are 2'-fluoro (2'-F)
modified

(ix) FEATURE:
(D) OTHER INFORMATION: N at position 26 is a 3'-3'-linked
deoxythymidine

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 65:
GAACCGAUGG AAUUUUUGGA CGCUCN

26

(2) INFORMATION FOR SEQ ID NO: 66:

(i) SEQUENCE CHARACTERIZATION:
(A) LENGTH: 24
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
(ii) MOLECULAR TYPE: RNA

(ix) FEATURE:
(D) OTHER INFORMATION: All pyrimidines are 2'-fluoro (2'-F)

modified
(ix) FEATURE:
(D) OTHER INFORMATION: N at position 24 is a 3'-3'-linked
deoxythymidine

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 66:
AACCGAUGGA AUUUUUGGAC GCUN

24

(2) INFORMATION FOR SEQ ID NO: 67:

(i) SEQUENCE CHARACTERIZATION:
(A) LENGTH: 22
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
(ii) MOLECULAR TYPE: RNA

(ix) FEATURE:
(D) OTHER INFORMATION: All pyrimidines are 2'-fluoro (2'-F)

modified
(ix) FEATURE:
(D) OTHER INFORMATION: N at position 22 is a 3'-3'-linked
deoxythymidine

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 67:
ACCGAUGGAA UUUUUGGACG CN

22

(2) INFORMATION FOR SEQ ID NO: 68:

(i) SEQUENCE CHARACTERIZATION:
(A) LENGTH: 30
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
(ii) MOLECULAR TYPE: RNA

(ix) FEATURE:
(D) OTHER INFORMATION: All pyrimidines are 2'-fluoro (2'-F)

modified
(ix) FEATURE:
(D) OTHER INFORMATION: N at position 30 is a 3'-3'-linked
deoxythymidine

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 68:
GCGGAAUCAG UGAAUGCUUA UACAUCCGCN

30

(2) INFORMATION FOR SEQ ID NO: 69:

(i) SEQUENCE CHARACTERIZATION:

- (A) LENGTH: 27
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: RNA

(ix) FEATURE:

(D) OTHER INFORMATION: All pyrimidines are 2'-fluoro (2'-F)
modified

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 69:

CGGAAUCAGU GAAUGC UUAU ACAUCCG

27

(2) INFORMATION FOR SEQ ID NO: 70:

(i) SEQUENCE CHARACTERIZATION:

- (A) LENGTH: 25
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: RNA

(ix) FEATURE:

(D) OTHER INFORMATION: All pyrimidines are 2'-fluoro (2'-F)
modified

(ix) FEATURE:

- (D) OTHER INFORMATION: C in position 25 is 2'-OH C

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 70:

GGAAUCAGUG AAUGC UUAU CAUCC

25

(2) INFORMATION FOR SEQ ID NO: 71:

(i) SEQUENCE CHARACTERIZATION:

- (A) LENGTH: 24
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: RNA

(ix) FEATURE:

(D) OTHER INFORMATION: All pyrimidines are 2'-fluoro (2'-F)
modified

(ix) FEATURE:

- (D) OTHER INFORMATION: N at position 24 is a 3'-3'-linked
deoxythymidine

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 71:

GAAUCAGUGA AUGCUUAUAC AUCN

24

(2) INFORMATION FOR SEQ ID NO: 72:

(i) SEQUENCE CHARACTERIZATION:

- (A) LENGTH: 22
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: RNA

(ix) FEATURE:

(D) OTHER INFORMATION: All pyrimidines are 2'-fluoro (2'-F)
modified

(ix) FEATURE:

(D) OTHER INFORMATION: N at position 22 is a 3'-3'-linked
deoxythymidine

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 72:
AAUCAGUGAA UGUUAUACA UN

22

(2) INFORMATION FOR SEQ ID NO: 73:

(i) SEQUENCE CHARACTERIZATION:

- (A) LENGTH: 20
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: RNA

(ix) FEATURE:

(D) OTHER INFORMATION: All pyrimidines are 2'-fluoro (2'-F) modified

(ix) FEATURE:

(D) OTHER INFORMATION: N at position 20 is a 3'-3'-linked deoxythymidine

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 73:
AUCAGUGAAU GCUUAUACAN

20

(2) INFORMATION FOR SEQ ID NO: 74:

(i) SEQUENCE CHARACTERIZATION:

- (A) LENGTH: 29
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: RNA

(ix) FEATURE:

(D) OTHER INFORMATION: All pyrimidines are 2'-fluoro (2'-F) modified

(ix) FEATURE:

(D) OTHER INFORMATION: Purines are 2'-OMethyl (2'-OMe) modified

(ix) FEATURE:

(D) OTHER INFORMATION: G in position 10, A in position 12, and G in position 22 are unmodified (i.e., 2'-OH)

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 74:
GACGAUGCGG UAGGAAGAAU UGGAAGCGC

29

(2) INFORMATION FOR SEQ ID NO: 75:

(i) SEQUENCE CHARACTERIZATION:

- (A) LENGTH: 29
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: RNA

(ix) FEATURE:

(D) OTHER INFORMATION: All pyrimidines are 2'-fluoro (2'-F) modified

(ix) FEATURE:

(D) OTHER INFORMATION: Purines are 2'-OMethyl (2'-OMe) modified

(ix) FEATURE:

(D) OTHER INFORMATION: G in position 10 and A in position 12 are unmodified (i.e., 2'-OH)

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 75:
GACGAUGCGG UAGGAAGAAU UGGAAGCGC

29

(2) INFORMATION FOR SEQ ID NO: 76:

(i) SEQUENCE CHARACTERIZATION:

- (A) LENGTH: 29

89

(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
(ii) MOLECULAR TYPE: RNA
(ix) FEATURE:
(D) OTHER INFORMATION: All pyrimidines are 2'-fluoro (2'-F)
modified
(ix) FEATURE:
(D) OTHER INFORMATION: Purines are 2'-OMethyl (2'-OMe) modified
(ix) FEATURE:
(D) OTHER INFORMATION: G in positions 10 and 22 is unmodified
(i.e., 2'-OH)

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 76:
GACGAUGCGG UAGGAAGAAU UGGAAGCGC

29

(2) INFORMATION FOR SEQ ID NO: 77:
(i) SEQUENCE CHARACTERIZATION:
(A) LENGTH: 29
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
(ii) MOLECULAR TYPE: RNA
(ix) FEATURE:
(D) OTHER INFORMATION: All pyrimidines are 2'-fluoro (2'-F)
modified
(ix) FEATURE:
(D) OTHER INFORMATION: Purines are 2'-OMethyl (2'-OMe) modified
(ix) FEATURE:
(D) OTHER INFORMATION: A in position 12 and G in position 22
are unmodified (i.e., 2'-OH)

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 77:
GACGAUGCGG UAGGAAGAAU UGGAAGCGC

29

(2) INFORMATION FOR SEQ ID NO: 78:
(i) SEQUENCE CHARACTERIZATION:
(A) LENGTH: 31
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
(ii) MOLECULAR TYPE: RNA
(ix) FEATURE:
(D) OTHER INFORMATION: All pyrimidines are 2'-fluoro (2'-F)
modified
(ix) FEATURE:
(D) OTHER INFORMATION: Purines are 2'-OMethyl (2'-OMe) modified
(ix) FEATURE:
(D) OTHER INFORMATION: A in position 6 and G in position 21 are
unmodified (i.e., 2'-OH)

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 78:
GGCGAACCGA UGGAAUUUUU GGACGCUCGC C

31

(2) INFORMATION FOR SEQ ID NO: 79:
(i) SEQUENCE CHARACTERIZATION:
(A) LENGTH: 31
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
(ii) MOLECULAR TYPE: RNA

(ix) FEATURE:
(D) OTHER INFORMATION: All pyrimidines are 2'-fluoro (2'-F)
modified
(ix) FEATURE:
(D) OTHER INFORMATION: Purines are 2'-OMethyl (2'-OMe) modified
(ix) FEATURE:
(D) OTHER INFORMATION: A in position 6 is unmodified (i.e., 2'-OH)

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 79:
GGCGAACCGA UGGAAUUUUU GGACGCUCGC C

31

(2) INFORMATION FOR SEQ ID NO: 80:
(i) SEQUENCE CHARACTERIZATION:
(A) LENGTH: 31
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
(ii) MOLECULAR TYPE: RNA
(ix) FEATURE:
(D) OTHER INFORMATION: All pyrimidines are 2'-fluoro (2'-F)
modified
(ix) FEATURE:
(D) OTHER INFORMATION: Purines are 2'-OMethyl (2'-OMe) modified
(ix) FEATURE:
(D) OTHER INFORMATION: G in position 21 is unmodified (i.e., 2'-OH)

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 80:
GGCGAACCGA UGGAAUUUUU GGACGCUCGC C

31

(2) INFORMATION FOR SEQ ID NO: 81:
(i) SEQUENCE CHARACTERIZATION:
(A) LENGTH: 29
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
(ii) MOLECULAR TYPE: RNA
(ix) FEATURE:
(D) OTHER INFORMATION: All pyrimidines are 2'-fluoro (2'-F)
modified
(ix) FEATURE:
(D) OTHER INFORMATION: Purines are 2'-OMethyl (2'-OMe) modified
(ix) FEATURE:
(D) OTHER INFORMATION: A in positions 5 and 6 is unmodified
(i.e., 2'-OH)

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 81:
GCGGAAUCAG UGAAUGCUCUA UACAUCCCGC

29

(2) INFORMATION FOR SEQ ID NO: 82:
(i) SEQUENCE CHARACTERIZATION:
(A) LENGTH: 29
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
(ii) MOLECULAR TYPE: RNA
(ix) FEATURE:
(D) OTHER INFORMATION: All pyrimidines are 2'-fluoro (2'-F)
modified
(ix) FEATURE:

(ix) (D) OTHER INFORMATION: Purines are 2'-OMethyl (2'-OMe) modified
FEATURE:
(D) OTHER INFORMATION: A in position 5 is unmodified (i.e., 2'-
OH)

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 82:
GCGGAAUCAG UGAAUGC UUA UACAUCCGC

29

(2) INFORMATION FOR SEQ ID NO: 83:

(i) SEQUENCE CHARACTERIZATION:
(A) LENGTH: 29
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
(ii) MOLECULAR TYPE: RNA

(ix) FEATURE:
(D) OTHER INFORMATION: All pyrimidines are 2'-fluoro (2'-F)

modified
(ix) FEATURE:
(D) OTHER INFORMATION: Purines are 2'-OMethyl (2'-OMe) modified
(ix) FEATURE:
(D) OTHER INFORMATION: A in position 6 is unmodified (i.e., 2'-
OH)

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 83:
GCGGAAUCAG UGAAUGC UUA UACAUCCGC

29

(2) INFORMATION FOR SEQ ID NO: 84:

(i) SEQUENCE CHARACTERIZATION:
(A) LENGTH: 23
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
(iii) MOLECULAR TYPE: RNA

(ix) FEATURE:
(D) OTHER INFORMATION: All pyrimidines are 2'-fluoro (2'-F)

modified
(ix) FEATURE:
(D) OTHER INFORMATION: Purines are 2'-OMethyl (2'-OMe) modified
(ix) FEATURE:
(D) OTHER INFORMATION: G in position 4 and A in position 6 are
unmodified (i.e., 2'-OH)

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 84:
GCGGUAGGAA GAAUUGGAAG CGC

23

(2) INFORMATION FOR SEQ ID NO: 85:

(i) SEQUENCE CHARACTERIZATION:
(A) LENGTH: 29
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
(ii) MOLECULAR TYPE: RNA

(ix) FEATURE:
(D) OTHER INFORMATION: All pyrimidines are 2'-fluoro (2'-F)

modified
(ix) FEATURE:
(D) OTHER INFORMATION: Purines are 2'-OMethyl (2'-OMe) modified
(ix) FEATURE:
(D) OTHER INFORMATION: A in position 5 and G in position 20 are

unmodified (i.e., 2'-OH)

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 85:
GCGAACCGAU GGAAUUUUUG GACGCUCGC

29

(2) INFORMATION FOR SEQ ID NO: 86:

(i) SEQUENCE CHARACTERIZATION:

- (A) LENGTH: 27
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: RNA

(ix) FEATURE:

- (D) OTHER INFORMATION: All pyrimidines are 2'-fluoro (2'-F)

modified

(ix) FEATURE:

- (D) OTHER INFORMATION: Purines are 2'-OMethyl (2'-OMe) modified

(ix) FEATURE:

- (D) OTHER INFORMATION: A in positions 4 and 5 is unmodified

(i.e., 2'-OH)

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 86:
GGAAUUCAGU GAAUGCUCUUAU ACAUCCG

27

(2) INFORMATION FOR SEQ ID NO: 87:

(i) SEQUENCE CHARACTERIZATION:

- (A) LENGTH: 13
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: RNA

(ix) FEATURE:

- (D) OTHER INFORMATION:

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 87:
GCCTTAGTCA CTT

13

(2) INFORMATION FOR SEQ ID NO: 88:

(i) SEQUENCE CHARACTERIZATION:

- (A) LENGTH: 14
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULAR TYPE: RNA

(ix) FEATURE:

- (D) OTHER INFORMATION:

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 88:
CGGATGTATA AGCA

14

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